

Table S2. Functional prediction of the PCDH17 SNPs that in high LD ($r^2>0.8$) with rs9540720 using GWAVA dataset

CHR	SNP	Position	Distance to rs9540720	r^2 with rs9540720	D' with rs9540720	Region score	TSS score	Unmatched score
13	rs7996220	66,915,901	6804	0.904	1	0.49	0.33	0.15
13	rs9540717	66,917,219	5486	0.904	1	0.28	0.11	0.02
13	rs9540718	66,920,915	1790	1	1	0.38	0.44	0.18
13	rs2875472	66,921,954	751	1	1	0.36	0.15	0.07
13	rs116802299	66,922,541	164	0.96	1	0.31	0.03	0.05
13	rs9540720	66,922,705	0	-	-	0.34	0.07	0.01
13	rs9564313	66,923,687	982	1	1	0.37	0.25	0.15
13	rs1334398	66,930,599	7894	0.823	0.916	0.24	0.15	0.01
13	rs9540724	66,931,094	8389	1	1	0.26	0.08	0.02
13	rs12864905	66,933,167	10462	1	1	0.24	0.21	0.02
13	rs7995375	66,933,412	10707	1	1	0.29	0.19	0.03
13	rs930573	66,934,613	11908	1	1	0.34	0.26	0.11
13	rs9571576	66,936,133	13428	0.922	1	0.3	0.18	0.05
13	rs9571577	66,937,503	14798	1	1	0.28	0.12	0
13	rs9317585	66,938,916	16211	1	1	0.41	0.34	0.09
13	rs7319883	66,939,588	16883	1	1	0.42	0.33	0.07
13	rs1831972	66,939,722	17017	1	1	0.22	0.16	0.01
13	rs9529052	66,940,097	17392	1	1	0.28	0.14	0
13	rs9592461	66,941,792	19087	1	1	0.34	0.34	0.18
13	rs2324888	66,942,287	19582	1	1	0.38	0.32	0.09
13	rs1444387	66,944,131	21426	1	1	0.23	0.17	0.03
13	rs9540728	66,944,321	21616	1	1	0.28	0.11	0.01
13	rs1158646	66,946,304	23599	1	1	0.35	0.09	0.03
13	rs1158647	66,946,317	23612	1	1	0.27	0.11	0.02
13	rs7988498	66,946,477	23772	1	1	0.29	0.19	0.05
13	rs4635220	66,946,721	24016	1	1	0.34	0.16	0.06
13	rs9540729	66,947,124	24419	1	1	0.29	0.04	0.01
13	rs9540731	66,949,370	26665	1	1	0.27	0.27	0.02
13	rs9540732	66,950,570	27865	1	1	0.26	0.07	0.06
13	rs1413573	66,951,829	29124	0.98	1	0.42	0.18	0.08
13	rs9540733	66,954,754	32049	0.904	1	0.39	0.08	0.03
13	rs9529055	66,957,533	34828	1	1	0.34	0.26	0.07
13	rs7983403	66,961,006	38301	0.886	1	0.37	0.19	0.03
13	rs9540734	66,965,411	42706	0.98	1	0.37	0.33	0.08
13	rs9317586	66,966,427	43722	0.98	1	0.37	0.2	0.03

The results include the prediction scores from 3 different versions of the classifier, which are all in the range 0-1 with higher scores indicating variants prec

Average GERP	Average DAF	Average het	GERP	%GC	TSS distance	SS distance	DNase	FAIRE	H2AFZ	H3K27ac	H3K4me1
1.44879	0.00054	0.00072	-1.02	47.5%	37897	18595	-	-	-	-	1
-0.03903	0.00051	0.00067	0.798	32.7%	39215	19913	-	-	-	-	-
-1.23822	0.00055	0.00063	-6.87	46.5%	42911	23609	2	-	-	-	-
0.81144	0.00059	0.00071	0.225	48.5%	43950	24648	1	-	-	-	-
-0.1681	0.00056	0.00061	0.37	35.6%	44537	25235	-	-	-	-	-
-0.24276	0.00057	0.00064	0.495	47.5%	44701	25399	-	-	-	-	-
0.45252	0.00054	0.00063	-3.19	54.5%	45683	26381	-	-	1	1	-
-0.74319	0.00094	0.00108	2.36	31.7%	52595	33293	-	-	-	-	-
-0.51917	0.00094	0.00109	0.22	48.5%	53090	33788	-	-	-	-	-
-0.43414	0.00103	0.00119	2.32	36.6%	55163	35861	-	-	-	-	-
1.08804	0.00103	0.00119	1.6	36.6%	55408	36106	-	-	-	-	-
1.95865	0.00057	0.00066	-0.322	27.7%	56609	37307	-	1	-	-	-
-0.40878	0.00051	0.00054	2.07	23.8%	58129	38827	-	-	-	-	-
-0.37451	0.00058	0.00065	1.09	26.7%	59499	40197	-	-	-	-	-
1.8583	0.00051	0.00057	2.46	40.6%	60912	41610	-	-	-	-	-
1.97884	0.00098	0.00105	2.79	37.6%	61584	42282	2	-	-	-	-
-0.7928	0.00136	0.00152	1.28	30.7%	61718	42416	-	-	-	-	-
-0.78309	0.00091	0.00107	-3.36	22.8%	62093	42791	-	-	-	-	-
-2.4197	0.00092	0.00108	-6.79	39.6%	63788	44486	-	-	-	-	-
-1.02785	0.00193	0.00111	-7.34	20.8%	64283	44981	-	-	-	-	-
-1.08289	0.001	0.00126	-4.47	34.7%	66127	46825	-	-	-	-	-
-0.15702	0.00107	0.0014	-2.22	37.6%	66317	47015	2	1	-	-	-
0.6265	0.00314	0.00211	-1.05	32.7%	68300	48998	-	-	-	-	-
0.65381	0.00314	0.00211	0.241	29.7%	68313	49011	-	-	-	-	-
-0.04154	0.00215	0.0021	2.57	38.6%	68473	49171	1	-	-	-	-
-0.21824	0.00253	0.00255	0.986	35.6%	68717	49415	-	-	-	-	-
-0.39958	0.00097	0.0011	-0.228	28.7%	69120	49818	-	-	-	-	-
-0.67318	0.00049	0.00066	2.86	32.7%	71366	52064	-	-	-	-	-
-0.28941	0.00053	0.00063	0.531	20.8%	72566	53264	-	-	-	-	-
-0.33536	0.00049	0.00056	-0.432	35.6%	73825	54523	1	-	-	-	-
0.06932	0.00055	0.00077	-0.298	63.4%	76750	57448	-	-	-	-	-
1.13258	0.00068	0.00076	-2.48	40.6%	79529	60227	-	-	-	-	-
-0.94489	0.00138	0.00059	-4.13	28.7%	83002	63700	-	-	-	-	-
1.80122	0.00076	0.00096	3.41	32.7%	87407	68105	-	-	-	-	-
-0.76877	0.00049	0.00056	-2.17	29.7%	88423	69121	-	-	-	-	-

dicted as more likely to be functional, and the underlying annotations used to compute these scores.

H3K4me2	H3K4me3	H3K9ac	TRAN	dnase_fps	in_cpg
1	-	-	1	-	-
-	-	-	-	-	-
-	-	-	1	-	-
-	-	-	-	1	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	2	-
-	-	-	-	-	-
-	-	-	1	-	-
-	-	-	-	-	1
-	-	-	1	-	-
-	-	-	-	-	-
-	-	-	1	-	-
-	-	-	-	-	-
-	-	-	-	1	-
-	-	-	-	2	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	1
-	-	-	-	-	-
-	-	-	2	-	-
-	-	-	2	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	1	-	-
-	-	-	-	-	-
-	-	-	-	1	1
-	-	-	-	-	-
-	-	-	-	-	1
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	1	-	-